JAN 2 7 2005 6	l this form, together w		e(s), to: <u>]</u> or	<u>Mail</u> Fax	Mail Sto Commis P.O. Box Alexand (703) 746	p ISSUI sioner fo k 1450 ria, Virg 5-4000	or Patent ginia 223:	13-1450		
INSTRUCTIONS: This appropriate of further indicated unless connected to the further than the fee notificated to th	form should be used for ya correspondence including the d below or directed otherwis ions.	nsmitting the ISSUE Patent, advance order in Block 1, by (a)	FEE and rs and not specifying	PUBLIC dification a new co	ATION FE of maintena on esponden	E (if required focal vice focal v	ired). Block vill be mail and/or (b)	ks 1 through . ed to the curr indicating a s	should be controlled to controlled the controlled to controlled the controlled th	ompleted who cance address (ADDRESS" fi
CURRENT CORRESPONDS	NCE ADDRESS (Note: Use Block [186 7590 01/12/2005 BOVE LODGE & HU	f hay abangs of address)			Note: A ce Fee(s) Tran papers. Eac have its own	rtificate of amittal. The b additions certificate	mailing ca is certificant if paper, suc of mailing	n only be used e cannot be used the as an assign or transmission	for domestic of for any other ment or forma n.	mailings of d r accompanyin l drawing, mu
										(Signance
	÷			- {					-	(Data
APPLICATION NO.	FILING DATE	FD	RST NAME	DINVENT	FOR		ATTORNE	Y DOCKET NO	CONFIRM	LATION NO.
10/674,500	10/01/2003		Raymon	d Connor				00225-US1		245
TITLE OF INVENTION:	REHABILITATION OF WA	ter supply pipes			i	01/27/20 01 FC:1: 02 FC:1:	501	1400.00		
APPLN. TYPE	SMALL ENTITY	ISSUE FEE		PUI				300.00 FRE(S) DUE)	DA G. W	E DUE
nonprovisional	NO	\$1400			\$300			1700		2/2005
EXA	MINER	ARTUNIT		CL	ASS-SUBCL/	ASS				
HOOK	JAMES F	3754			138-141000					
CFR 1.363). Change of correspon Address form PTO/SB/ "Fee Address" indic PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME AN	acc address or indication of "Foundament address (or Change of 122) attached. attion (or "Fee Address" Indicator more recent) attached. Use D RESIDENCE DATA TO Best an assignce is identified bein 37 CFR 3.11. Completion of	Correspondence ition form s of a Customer E PRINTED ON THE	(1) the name or agents (2) the name registered 2 registered listed, no name PATENI	nes of up DR, altern ne of a si automey of d patent s asme will (print or		ered patent saving as a d the name agents. If r	member a s of up to so name is	, Lodge	olly Boy	LLP
(A) NAME OF ASSIGN					and STATI					•
	naise Des Eaux	(=)			Cedex,					
Please check the approprint	te assignee calegory or categor	ries (will not be printe	d on the po	itent) :	☐ Individo	al 🖾 Çor	poration or	other private g	roup entity 🕻	Government
4a. The following fcc(s) are	e enclosed: small entity discount permitte	4b. Pa d)	nyment of l A check it Payment l	Fee(s): n the amo by credit o	ount of the fe	ec(s) is enc PTO-2038	loscd. is attached.		r credit any ov copy of this for	
	(from starus indicated above) SMALL ENTITY status. See 3)							FR 1.27(g)(2)	
The Director of the USPTO NOTE: The Issue Fee and I interest as shown by the rec	is requested to apply the Issu Publication Sec (if required) words of the United States Pate									
Authorized Signature	///m				Dat	, Ja	nuary	27, 200	5	
Typed or primed name _	Morris Liss	7			_	elstration N		510		_
This collection of informati an application. Confidential submitting the completed a this form and/or suggestion	on is required by 37 CFR 1.31 lity is governed by 35 U.S.C. pplication form to the USPTC s for reducing this burden, she	1. The information is 122 and 37 CFR 1.14). Time will vary dep	required to This colle ending up	o obtain o ection is c on the ind	r retain a be estimated to lividual case	nefit by the take 12 m . Any com	public whi	ich is to file (at mplete, includi he amount of t	nd by the USPI ng gathering, p ime you requir	O to process) preparing, and to complete

Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTOL-85 (Rev. 12/04) Approved for use through 04/30/2007.

OMB 0651-0033 U.S. Parent and Trademark Office; U.S. DEPARTMENT OF COMMERCE



F	A	X	TR	AN	ISN	AT.	122	1	N
	()	~ / /	* */	1	ULV	LL	\mathcal{L}	. U	IX

DATE:

PTO IDENTIFIER:

10/674,500-Conf. #4245

Patent Number

Inventor: Raymond Connor et al.

MESSAGE TO:

Office of Patent Publication

Application Number

FAX NUMBER:

(703) 746-4000

FROM:

CONNOLLY BOVE LODGE & HUTZ LLP

Morris Liss

PHONE:

(202) 331-7111

Attorney Dkt. #;

21029-00225-US1

PAGES (Including Cover Sheet):

CONTENTS: Fce Transmittal

Issue Fee Transmittal

Charge \$1,706.00 to deposit account 22-0185

Certificate of Transmission (1 page)

If your receipt of this transmission is in error, please notify this firm immediately by collect call to sender at (202) 331-7111 and send the original transmission to us by return mail at the address below.

This transmission is intended for the sole use of the individual and entity to whom it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. You are hereby notified that any dissemination, distribution or duplication of this transmission by someone other than the intended addressee or its designated agent is strictly prohibited.

CONNOLLY BOVE LODGE & HUTZ LLP

1990 M Street, N.W., Suite 800, WashIngton, DC 20036-3425 Telephone: (202) 331-7111 Facsimile: (202) 293-6229



PTC/SB/97 (09-04)

Approved for use through 07/51/2008, OMB 0851-0031
U. S. Palent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid QMB control number,

Application No. (if known): 10/674,500

Attorney Docket No.: 21029-00225-US1

Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office.

Lisa Hawkins

Typed or printed name of person signing Certificate

Registration Number, if applicable

(202) 331-7111 Telephone Number

Note: Each paper must have its own certificate of transmission, or this certificate must

identify each submitted paper.

Fee Transmittal Issue Fee Transmittal

Charge \$1,706.00 to deposit account 22-0185



Registration No. (AltornsydAgent) 24,510 Telephone (202) 331-7111	Under the F	²aperwork Reduc	tion Act of 199	5, no person are r	c quired to	U.S. Paler respond to a collecti		roved for use through mark Office; U.S. Di tion unless II discla	gh 7/31/2008	
FEE TRANSMITTAL Filing Date FOR FY 2005 Applicant dalams small entity status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT (5) 1,705.00 METHOD OF PAYMENT (check all that apply) Check Credit Card Money Order None Other (please identify): Deposit Account Deposit Account, Number 22-0185 For the above-identified deposit account, the Director is hereby sutherized to: (check all that apply) To that account Deposit Account, Number 22-0185 For the above-identified deposit account, the Director is hereby sutherized to: (check all that apply) To charge foe(s) indicated balow X Charge foe(s) indicated balow X Charge any additional foe(s) or underpayment of (ca(s) under 37 CFR 1.13 and 1.17 FEE CALCULATION 1. BASIC FILING, SEARCH, AND EXAMINATION FEES Small Entity Application Type Fee (3) Fee (4) Fee (3) Fee (3) Fee (4) Fee (3) Fee (4) Fee (3) Fee (4) Fee (4) Fee (5) Fee Paid (5) Foe		Effective	on 12/08/200	,						
For FY 2005 Applicant claims small entity status. See 97 CFR 1.27 TOTAL AMOUNT OF PAYMENT (6) 1,706,00 Attorney Docket No. 21029-00225-US1	Focs pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4816).					Application Nu	mber	10/674,500-C	onf. #424	5
Applicant claims small entity slatus. See 37 CFR 1.27 Art Unit 3754	FEE TRANSMITTAL					_Filing Date		October 1, 2003		
Applicant claims small entity status. See 37 CFR 1:27 TOTAL AMOUNT OF PAYMENT (\$) 1,705,00 Attorney Docket No. 21029-00225-US1 METHOD OF PAYMENT (check all that apply) Casek Credit Card Money Order None Other (please identify): Deposit Account Deposit Account Number 22-0185 Deposit Account Number Card International Control (check all that apply) To the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below Charge fee(s) indicated below, except for the filling fee Card International fee(s) or underpayment of Fee(s) under 37 CFR 1.16 and 1.17 FEE CALCULATION 1. BASIC FILING, SEARCH, AND EXAMINATION FEES FILING FEES Small Entity Fee (3) Fee	For FY 2005					First Named In	ventor	Raymond Connor		
METHOD OF PAYMENT (check all that apply)	Annies				-					
METHOD OF PAYMENT (check all that apply)										
Check Credit Card Money Order None Other (please identify): X Deposit Account None		Twisting Destruction								
X Deposit Account Deposit Account Number 22-0185 Deposit Account Name; Connolly Bove Lodge & Hutz LLP				that apply)						
For the above-identified deposit account, the Director is hereby authorized to; (check all that apply) Charge fee(s) indicated below		Ш	1rd []	Money Order	Non	ne Other ((please id en	ti <i>l</i> y):		_
Charge fae(s) indicated below		Ĺ				Deposit Account Na	me:_ Co	nnolly Bove Lo	odge & H	u tz LLP
X Charge any additional fee(e) or underpayment of fee(a) under 37 CFR 1.16 and 1.17 X Credit any overpayments X Cr	For the	above-Identi	ied deposit	account, the D	irector is	hereby authorize	ed to: (che	ck all that apply))	
FEE CALCULATION	x c	Charge fee(s) i	indicated be	low		Charg	e fee(s) inc	dicated below, e	xcept for	the filing fee
FEE CALCULATION 1. BASIC FILING, SEARCH, AND EXAMINATION FEES Small Entity Fee (\$1) Fee (\$1) Fee (\$2) Fee (\$3) Fee (X.	Charge any ad ee(s) under 3	ditional fee(6) or underpay	ment of	x Credit	any overp	ayments		•
Application Type				WITE 1117						
Application Type	1. BASIC FILIN	NG, SEARCH,	AND EXAM	INATION FE	es					
Application Type			FILIN	G FEES		ARCH FEES	EXAMIN	ATION FEES		
Utility 300 150 500 250 200 100	Application T	Vpe			Fen (S)		Eco (5)		E	D-14 / 4 \
Design 200 100 100 50 130 65									<u> </u>	Para (4)
Plant 200 100 300 150 160 80	Design		200							
Reissue 300 150 500 250 600 300 Provisional 200 100 0 0 0 0 0 2. EXCESS CLAIM FEES Each laim over 20 (including Reissues) 50 25 Each independent claim over 3 (including Reissues) 200 100 Multiple dependent claims 50 100 Multiple dependent claims 50 100 Multiple dependent claims 50 100 Indep. Claims 50 50 25 Extra Claims 50 50 25 Indep. Claims 50 50 100 Indep. Claims 50 50 50 50 50 50 50 50 50 50 50 50 50	Plant		200							
Provisional 200 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Reissue		300	150	500		• •			
2. EXCESS CLAIM FEES Each Description Each claim over 20 (including Reissues) Each independent claim over 3 (including Reissues) Multiple dependent claims Fee (\$) Fee Paid (\$) Multiple Dependent Claims Total Claims Extra Claims Fee (\$) Fee Paid (\$) Multiple Dependent Claims Fee (\$) Fee Paid (\$) Indep. Claims Extra Claims Fee (\$) Fee Paid (\$) Sample Fee Paid (\$) APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Ital Sheets Extra Sheets Number of each additional so or fraction thereof Fee (\$) Fee Paid (\$) Fees Paid (\$) Aumber of each additional so or fraction thereof Fee (\$) Fee Paid (\$) Fees Paid (\$)	Provisional		200	100	Ó	0				
Fee (5) Foo (5)	2. EXCESS CL	AIM FEES					_	·		Small Entity
Each independent claims Total Claims Extra Claims Fee (\$) Fee Paid (\$) Indep. Claims Extra Claims Fee (\$) Fee Paid (\$) Fee Paid (\$) Indep. Claims Fee (\$) Fee Paid (\$) SAPPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$2.50 (\$12.5 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Total Sheets Fet Sheets Number of each additional 50 or fraction thereof Fee Faid (\$) Number of each additional 50 or fraction thereof Fee Faid (\$) Non-English Specification, \$130 fee (no small entity discount) Other (e.g., late filing surcharge): 1500 Ufflity issue fee 4. OTHER FEE(\$) Non-English Specification, \$130 fee (no small entity discount) Other (e.g., late filing surcharge): 1500 Ufflity issue fee (Alterns/Agent) Registration No. (202) 331-7111			g Reissues)							Fec (\$)
Multiple dependent claims Total Claims Extra Claims Fee (\$) Fee Paid (\$) Multiple Dependent Claims Fee (\$) Fee Paid (\$) Indep. Claims Extra Claims Fee (\$) Fee Paid (\$) APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Total Sheets Extra Sheets Number of each additional so or fraction thereof Fee (\$) Fee Paid (\$) Authority discounty Other (e.g., late filing surcharge): 150/1 Utility issue fee 8001 Printed copy of patent w/o color 6.00 1504 Publication fee for early, voluntary, or normal Registration No. (Alternsy/Agent) Contraction Telephone (202) 331-7111	Each independe	ent claim over	3 (includin	g Reissues)						
Indep. Claims Extra Claims Fee (5) Fee Paid (5) 3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (5) Fee Paid (5) -100 = /50	Multiple depen	dent claims								
Indep. Claims Extra Claims Fee (5) Fee Paid (5) 3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$2.50 (\$12.5 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (5) Fee Paid (5) -100 = /50 (round up to a whole number) x = 4. OTHER FEE(S) Fees Paid (5) Non-English Specification, \$130 fee (no small entity discount) Other (e.g., late filing surcharge): 150/1 Utility issue fee	<u>Total Claims</u>	Extra C	alms _	co (\$)	Fee P	aid (\$)	Mı	iltiple Depende	nt Claims	
3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Total Sheets		- 20 =	x _	= _			Fer	e (S) F	ce Pald (B)
3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Total Sheets	Indep. Claims	Extra C	laims I	ee (\$)	Fee P	ald (\$)				_
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Total Sheets		-3=	x	= =						
Istings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Total Sheets										
sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Total Sheets Extra Sheets Number of each additional so or fraction thereof Fee (5) Fee Paid (5) -100 = /50 (round up to a whole number) x = 4. OTHER FEE(S) Fees Paid (5) Non-English Specification, \$130 fee (no small entity discount) Other (e.g., late filling surcharge): 1500 Utility issue fee 1,400.00 8001 Printed copy of patent w/o color 6.00 1504 Publication fee for early, voluntary, or normal 300.00 SUBMITTED BY Registration No. (Altornsy/Agent) 24,510 Telephone (202) 331-7111	listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50									
-100 = /50 (round up to a whole number) x = 4. OTHER FEE(S) Non-English Specification, \$130 fee (no small entity discount) Other (e.g., late filling surcharge): 1500 Utility issue fee 1,400.00 8001 Printed copy of patent w/o color 6.00 ### Publication fee for early, voluntary, or normal 300.00 SUBMITTED BY Signalure Registration No. (Altonsy/Agent) 24,510 Telephone (202) 331-7111	sheets or fr	action thereof	See 35 U.	S.C. 41(a)(1)(G) and 3	7 CFR 1.16(s).				•
A. OTHER FEE(S) Non-English Specification, \$130 fee (no small cutity discount) Other (e.g., late filing surcharge): 1501 Utility issue fee 1,400.00 8001 Printed copy of patent w/o color 6.00 1504 Publication fee for early, voluntary, or normal 300.00 SUBMITTED BY Signalure Registration No. (Altornsy/Agent) 24,510 Telephone (202) 331-7111	Total Sheel								<u>Fee l</u>	Paid (\$)
Non-English Specification, \$130 fee (no small critity discount) Other (e.g., late filling surcharge): 1500 Utility issue fee 1,400.00 8001 Printed copy of patent w/o color 6.00 7504 Publication fee for early, voluntary, or normal 300.00 SUBMITTED BY Signature Registration No. (AltornsylAgent) 24,510 Telephone (202) 331-7111	4. OTHER FEE					(iodiia ap io di Atto		`	Fees	Paid (S)
Other (e.g., late filing surcharge): 1501 Utility issue fee 1,400.00 8001 Printed copy of patent w/o color 6.00 300.00 SUBMITTED BY Registration No. (Altornsy/Agent) 24,510 Telephone (202) 331-7111	Non-English Specification, \$130 fee (no small entity discount)									
SUBMITTED BY Signalure Registration No. (AlternsylAgent) 24,510 Telephone (202) 331-7111		Other (e.g., late filing surcharge): 1501 Utility issue fee 1,400.00								
SUBMITTED BY Registration No. (Addrnsy/Agent) 24,510 Telephone (202) 331-7111	8501 Publication fee After early voluntary or corner 300 o									
Registration No. (AltornsydAgent) 24,510 Telephone (202) 331-7111										
(Allorney/Agent) 24,010 Telephono (202) 331-7111		- []	V /-		-	Pericipaling No.		1		
Name (Print/Type) Morris Liss /	<u> </u>		100				24,510	Telephone	(202) 33	1-7111
Name (Print/Type) Morris Liss / Date January 27, 2005	Name (Print/Type)	Morris Liss						Date .	January 2	7, 2005